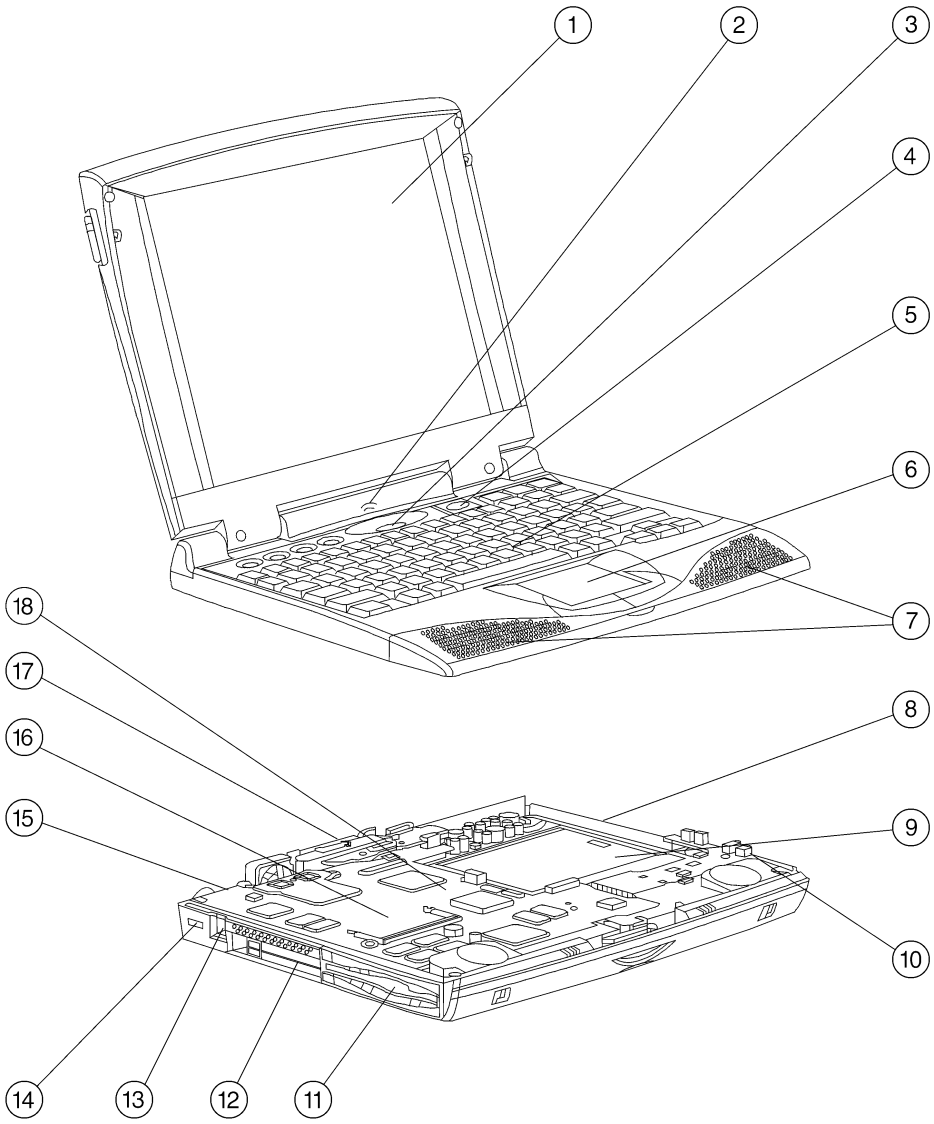
# *Overview*

## AT A GLANCE

- All-in-one form factor with three spindle support
- Intel Mobile Celeron™ processor up to 400 MHz
- 128-KB integrated cache
- 12.1-inch TFT display supporting resolutions up to 800 x 600
- 32-MB standard SDRAM, expandable up to 160 MB
- Dual-function bay supports either diskette drive or additional battery
- 4-GB[1] SMART Upgradable hard drives
- Internal 24X Max[2] CD-ROM Drive
- 56K V.90[3] internal modem
- Touchpad pointing device
- Sound Blader Pro-compatible with 16-bit stereo Compaq *Premier•Sound*™, integrated speakers and microphone Software MPEG1
- Intelligent Manageability for lower total cost of ownership
- Optional Pass-Through or Ethernet Convenience Bases
- Compaq Services, including a one-year, Worldwide Limited Warranty[4] with second business day[5] expedited pick-up and repair in North America




1. Display
2. Microphone
3. Stand-by Button
4. Power Switch
5. Full-size Keyboard with Four User-programmable Keys
6. Touchpad Pointing Device
7. Stereo Speakers
8. 24X Max[2] CD-ROM Drive
9. Upgradable SMART Hard Drive
10. NiMH or Li-Ion Battery Pack (model dependent)
11. Dual Bay (supports additional battery or diskette drive)
12. Two Type II/One Type III PC Card Slots; Card Bus-capable[6]
13. 56K V.90[3] Data/14.4 Kb/s Fax Modem
14. DC Power
15. Universal Serial Bus (USB)
16. Memory Slot
17. Convenience Base Connector
18. Processor Board

COMPAQ "Your partner through time" 2000 Ready

# *Standard Features*

## MODELS

**Windows NT Workstation 4.0**
C400/12T/4GB/D/M/3
*150129-006*

C366/12T/4GB/D/M/3
*388067-006*

C300/12T/4GB/D/M/3
*386338-006*

**Windows 98**
C400/12T/4GB/D/M/2
*150129-006*

C400/12S/4GB/D/M/2
*150055-006*

**Windows 95**
C400/12T/4GB/D/M/1
*150129-002*

C400/12S/4GB/D/M/1
*150055-002*

C366/12T/4GB/D/M/1
*388067-002*

C366/12S/4GB/D/M/1
*388065-002*

C300/12T/4GB/D/M/1
*386338-002*

### All-in-one Design

Armada 1500c, designed for affordable mainstream computing, includes integrated Diskette Drive, Hard Drive, CD-ROM Drive and modem, providing full functionality in the office or on the road; dual-function bay supports either diskette drive or second battery for additional flexibility.

### Processor

Intel Mobile Celeron processor 400 MHz

C400/12T/4GB/D/M/3
C400/12T/4GB/D/M/2
C400/12S/4GB/D/M/2
C400/12T/4GB/D/M/1
C400/12S/4GB/D/M/1

Intel Mobile Celeron processor 366 MHz

C366/12T/4GB/D/M/3
C366/12S/4GB/D/M/1
C366/12T/4GB/D/M/1

Intel Mobile Celeron processor 300 MHz

C300/12T/4GB/D/M/3
C300/12T/4GB/D/M/1

### Cache Memory

Integrated 128 KB

### Memory

| | |
|---|---|
| Standard | 32 MB |
| Maximum | 160 MB |

### Communications

Integrated 56K V.90[3] Worldwide Modem

### Keyboard

101/102-key compatible keyboard with isolated, inverted-T cursor control keys, and right-control key, four user-programmable keys; special feature hotkeys for instant access to power conservation, QuickLock/QuickBlank, toggle between internal and external, or simultaneous displays, battery gauge, speaker volume control, brightness and contrast

### Pointing Device

Touchpad

### PC Card Slots

Two Type II/One Type III PC Card Slot(s) which support both 32-bit CardBus[6] and 16-bit PC Cards; zoomed video support in bottom slot only

### Storage

| | |
|---|---|
| Removable Diskette Drive | 1.44 MB |
| CD-ROM | 24X Max[2] CD-ROM Drive (optional DVD Kit) |
| Hard Drives | 4-GB[1] SMART |

# *Standard Features*

## Multimedia

Compaq *Premier•Sound* for enhanced stereo audio
Integrated 16-bit Sound Blaster Pro-compatible stereo audio
Integrated stereo speakers and microphone
Software/hardware volume control
Headphone out
Microphone in jacks
Software MPEG1 support
Internal 24X Max[2] CD-ROM Drive

## Interfaces

| | |
|---|---|
| PC Card | Two Type II/OneType III |
| Enhanced Parallel | 1 |
| Serial | 1 |
| External Monitor | 1 |
| External Keyboard/ Pointing Device | 1 |
| Convenience Base | 1 |
| Headphone/Line out | 1 |
| Microphone | 1 |
| AC Power | 1 |
| RJ-11 | 1 |
| USB | 1 |

## Graphics

64-bit video graphics with 2-MB SDRAM for increased color depth and graphics performance

## Display

12.1-inch color high-contrast and fast response STN with 800 x 600 resolution (up to 16.7M colors internal)

C400/12S/4GB/D/M/2
C400/12S/4GB/D/M/1
C366/12S/4GB/D/M/1

12.1-inch color TFT with 800 x 600 resolution (up to 16.7M colors internal)

C400/12T/4GB/D/M/3
C400/12T/4GB/D/M/2
C400/12T/4GB/D/M/1
C366/12T/4GB/D/M/3
C366/12T/4GB/D/M/1
C300/12T/4GB/D/M/3
C300/12T/4GB/D/M/1

## Software

Windows NT Workstation 4.0
Insight Management Agents
Intelligent Manageability
Security 32
Diagnostics for Windows NT
Compaq Power Management
Online Safety and Comfort Guide
Reference Guide

C400/12/T/4GB/D/M/3
C366/12T/4GB/D/M/3
C300/12T/4GB/D/M/3

# *Standard Features*

**Software** *(continued)*

Windows 98
Insight Management Agents
Intelligent Manageability
Security 32
Diagnostics for Windows 98
Compaq Power Management
Online Safety and Comfort Guide
Reference Guide

C400/12T/4GB/D/M/2
C400/12S/4GB/D/M/2

Windows 95
Insight Management Agents
Intelligent Manageability
Security 32
Diagnostics for Windows 95
Compaq Power Management
Online Safety and Comfort Guide
Reference Guide

C400/12T/4GB/D/M/1
C400/12S/4GB/D/M/1
C366/12T/4GB/D/M/1
C366/12S/4GB/D/M/1
C300/12T/4GB/D/M/1

**OS Support**

Windows NT Workstation 4.0
Windows 98
Windows 95

**Intelligent Manageability**

Lowers total cost of ownership by providing enhanced security, asset management, fault prediction with SMART drives; also provides SMART drive alert, battery fault alert, thermal alert and memory alert for investment and data protection

**Security**

Cable lock support
Power-on password
Set-up passwords
Ability to disable serial port, parallel port, diskette drive, diskette drive boot sequence
Drive Lock for advanced Data Protection

**Power Supply**

External AC adapter and power cord

# *Standard Features*

**Battery**

Li-Ion batteries are standard, providing up to three hours of batter life[7] with one battery; up to six hours when using two batteries.

C400/12T/4GB/D/M3
C400/12T/4GB/D/M/2
C400/12S/4GB/D/M/2
C400/12T/4GB/D/M/1
C40012S/4GB/D/M/1
C366/12T/4GB/D/M/3
C366/12T/4GB/D/M/1

NiMH battery is standard, providing two to three hours of battery life[7] with one battery; four to six hours when using two batteries.

C300/12T/4GB/D/M/1
C300/12T/4GB/D/M/3

**Power Conservation**

Hibernation, Instant-On via Standby; pop-ups with three presets and one custom level of power conservation

**Service and Support**

Compaq Services provides a range of services for the Armada 1500c, including a one-year, Limited Warranty[4], with 7 x 24 service line at 1-800-OK-Compaq (1-800-652-6672) and a free, one-year, second business day[5] pick-up and delivery service from Compaq. All shipping and handling materials are supplied by Compaq.

# *Options*

| Memory | |
|---|---|
| 128-MB Memory Upgrade | 315177-B21 |
| 64-MB Memory Upgrade | 314891-B21 |
| 32-MB Memory Upgrade | 314890-B21 |

| Monitors[8] | |
|---|---|
| TFT8000 Flat Panel | 307906-001 |
| TFT5000 Flat Panel | 325700-001 |
| P1100 Color[9] | 325606-001 |
| P900 Color | 386326-001 |
| P700 Color | 380207-001 |
| P110 Color[9] | 325600-001 |
| P75 Color | 307806-001 |
| V1100 Color[9] | 386472-001 |
| V1000 Color[9] | 351757-001 |
| V900 Color[9] | 303500-001 |
| V700 Color (opal) | 325800-001 |
| V75 Color (carbon) | 307710-002 |
| V500 Color | 325900-001 |
| S910 Color[9] | 138485-001 |
| S900 Color[9] | 360562-001 |
| S710 Color | 152991-001 |
| S700 Color | 360512-001 |

| Optical Drive | |
|---|---|
| DVD-ROM Drive | 401885-B21 |

| Hard Drive | |
|---|---|
| 6.4-GB[1] SMART Hard Drive | 310313-B21 |

| PC Cards/Communications | |
|---|---|
| Compaq Microcom 420 56K[3] Global Fax Modem PC Card | 317900-001 |
| Compaq Microcom 550 Combo PC Card | 321550-001 |
| 10/100 TX PC Card UTP Controller | 335506-B21 |
| 10 T PC Card UTP Controller | 292806-B21 |
| 16/4 TR PC Card IBM UTP/STP Controller | 301208-B21 |

For additional compatible PC Cards, view the Compaq PC Card Solutions List on the Compaq website at http://www.compaq.com/support/techpubs/pcmcia/pccardlist.html. Please note this website is available in English only.

| Convenience Bases | |
|---|---|
| Convenience Base II (Ethernet) | 316239-001 |
| Convenience Base II (Pass-Through) | 316238-001 |

| Power | |
|---|---|
| Li-Ion Battery | 254936-B21 |
| NiMH Battery | 254935-B21 |
| External Battery Charger | 254938-B21 |
| Auto/Aircraft Adapter | 296537-B21 |
| AC Power Cord (10-ft) | 217932-002 |
| AC Adapter | 401883-B21 |

| Input Devices | |
|---|---|
| External Enhanced III Keyboard (opal) | 294343-001 |
| External Enhanced III Keyboard (carbon) | 118003-008 |
| Compaq Mouse (opal) | 143315-B21 |
| Compaq Mouse (carbon) | 103180-B21 |

| Other | |
|---|---|
| Security Lock | 294316-B21 |
| Portable Video Conferencing Kit | 296954-001 |
| Armada Headset with microphone | 220460-001 |
| Universal Monitor Stand | 294315-B21 |
| Margi DVD To Go Playback PC Card | 202861-B21 |

| Carrying Cases | |
|---|---|
| Compaq Value Case | 294266-B21 |
| Compaq Workstation Case | 294267-B21 |
| Compaq Global Case | 294268-B21 |
| Compaq Professional Case (Nylon) | 401366-B21 |
| Compaq Professional Case (Leather) | 401367-B21 |
| For additional Compaq Brand cases, call 1-800-888-5903. | |

# *Memory*

**Compaq Armada 1500c**

## STANDARD MEMORY

32 MB installed on the System Board (1 slot available)

| Standard | Slot 1 |
|---|---|
| 32 MB | Empty |

## STANDARD MEMORY PLUS OPTIONAL MEMORY

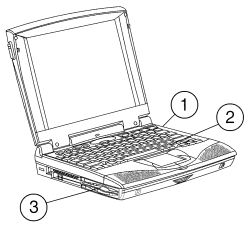
Support for up to 160 MB of 60ns SDRAM is available with the installation of an optional Memory Upgrade.

| Up To | Slot 1 |
|---|---|
| 64 MB | 32 MB |
| 96 MB | 64 MB |
| 160 MB | 128 MB |

Following are memory options available from Compaq:

- 128-MB Memory Upgrade 315177-B21
- 64-MB Memory Upgrade 314891-B21
- 32-MB Memory Upgrade 314890-B21

# *Storage*




1 CD-ROM Drive Bay
2 Upgradable Hard Drive (Internal)
3 Dual Bay

## DRIVE SUPPORT

| | Quantity Supported | Drive Bay Supported |
|---|---|---|
| **Removable Media** | | |
| 1.44-MB Diskette Drive | Up to 1 | Dual Bay |
| 24X Max[2] CD-ROM Drive (optional DVD Kit) | Up to 1 | CD-ROM Drive Bay |
| **Hard Drives** | | |
| 4-GB[1] SMART Hard Drive | Up to 1 | Upgradable Hard Drive |
| 6.4-GB[1] SMART Hard Drive | Up to 1 | Upgradable Hard Drive |

# *Technical Specifications*

**System Unit**

| | |
|---|---|
| **Dimensions** (HxWxD) | 2.1 x 12.2 x 9.6 in/5.38 x 31.1 x 24.5 cm |
| **Weight** | |
| C366/12T/4GB/D/M/3 | 7.33 lbs/3.33 kg |
| C366/12T/4GB/D/M/1 | 7.33 lbs/3.33 kg |
| C300/12T/4GB/D/M/3 | 7.33 lbs/3.33 kg |
| C300/12T/4GB/D/M/1 | 7.33 lbs/3.33 kg |
| **Stand-Alone Power Requirements** | |
| Nominal Operating Voltage (Li-Ion) | 14.2 VDC |
| Nominal Operating Voltage (NiMH) | 9.6 |
| Maximum Operating Power | 35W |
| Peak Operating Power | 40W |
| **Temperature** | |
| Operating | 50° to 95°F/10° to 35°C |
| Non-operating | –4° to 140°F/–20° to 60°C |
| **Relative Humidity** (non-condensing) | |
| Operating | 10% to 90% |
| Non-operating | 5% to 95% |
| **Shock** | |
| Operating | 10 G, 11 ms, half-sine |
| Non-operating | 60 G, 11 ms, half-sine |
| **Vibration** | |
| Operating | 0.25 G, 1 Oct/Min sweep rate |
| Non-operating | 1 G, 1 Oct/Min sweep rate |
| **Maximum Altitude** (unpressurized) | |
| Operating | 10,000 ft/3,048 m |
| Non-operating | 30,000 ft/9,144 m |

# *Technical Specifications*

## 12.1-Inch Color TFT 800 x 600 Display

| | |
|---|---|
| **Dimensions** (HxW) | 7.24 x 9.7 in/18.4 x 24.6 cm |
| **Diagonal Size** | 12.1 in/30.7 cm |
| **Mounting** | Internal |
| **Number of Colors** | 16M |
| **Contrast Ratio** | 100:1 |
| **Brightness** | Over 120 cd/m$^2$ (typical) |
| **Pixel Resolution** | |
| Pitch | 0.3 x 0.3 mm |
| Format | 800 x 600 |
| Configuration | RGB Stripe |
| **Backlight** | Edge Lit |
| **Character Display** | 80 x 25, 80 x 50 |
| **Total Power Consumption** (with backlight) | 6W (maximum) |

## Hard Drives

| | | | | |
|---|---|---|---|---|
| **4 GB**[1] | **Capacity** | 4 GB[1] | **Seek Time** (typical reads, including settling) | |
| | **Height** | 1 in/25.4 mm | Single Track | 4 ms |
| | **Width** | 2.5 in/63.5 mm | Average | 13 ms (read) |
| | **Interface** | ATA | Full-Stroke | 23 ms |
| | **Transfer Rate** | | Rotational Speed | 4,009 rpm |
| | Synchronous (Maximum) | 33.3 MB | **Physical Configuration** | |
| | | | Bytes/sector | 512 |
| | | | **Operating Temperature** | 41° to 131°F/5° to 55°C |

## Diskette Drive

| | |
|---|---|
| **Diskette Size** | 3.5 in |
| **Light** | None |
| **Height** | 0.82 in/2.08 cm |
| **Bytes per Sector** | 512 |
| **Sectors per track** | |
| High density | 18 (1.44 MB)/15 (1.2 MB) |
| Low density | 9 |
| **Tracks per side** | |
| High density | 80 (1.44 MB)/80 (1.2 MB) |
| Low density | 80 |
| **Read/Write heads** | 2 |
| **Access Times** | |
| Track-to track (high/low) | 3 ms/6 ms |
| Average (high/low) | 94 ms/174 ms |
| Settling time | 15 ms |
| Latency average | 100 ms |

## *Technical Specifications*

| | | |
|---|---|---|
| **External AC Adapter** | **Weight** | 0.66 lb/0.3 kg |
| | **Power Supply** (Input) | |
| | Operating Voltage | 90 to 260 VAC RMS |
| | Operating Current | 1.1 A RMS |
| | Operating Frequency Range | 47 to 63 Hz AC |
| | Maximum Transient | 4/50 kV |
| **NiMH Battery Pack** | **Dimensions** (HxWxL) | 0.82 x 3.2 x 5.8 in/2.08 x 8.13 x 14.73 cm |
| | **Weight** | 0.85 lb/0.39 kg |
| | **Energy** | |
| | Voltage | 14.4V |
| | Amp-hour capacity | 2.8 Ah |
| | Watt-hour capacity | 40Wh |
| | **Temperature** | |
| | Operating | 50° to 104°F/10° to 40°C |
| | Non-operating | –12° to 140°F/–25° to 60°C |
| **Convenience Base** | **Dimensions** (HxWxD) | 4.9 x 14.2 x 14.7 in/12.46 x 36.07 x 37.34 cm |
| | **Weight** | 4.25 lbs/1.93 kg |
| | **Power Supply** (Input) | |
| | Operating Voltage | 100 to 240 VAC |
| | Operating Current | 1.1 Amp Maximum |
| | Rated Voltage | 100 to 240 VAC |
| | Rated Current | 1 Amp Maximum |
| | Line Frequency | 47 to 63 Hz |
| | **Temperature** | |
| | Operating | 50° to 95°F/10° to 35°C |
| | Non-operating | –4° to 140°F/20° to 60°C |
| | **Relative Humidity** | |
| | Operating | 10% to 90% |
| | Non-operating | 5% to 95% |
| | **Altitude** | |
| | Operating | 10,000 ft/3,048m |
| | Non-operating | 30,000 ft/9,144m |
| | **Shock** | |
| | Operating | 10 G, 11 ms, half-sine |
| | Non-operating | 140 G, 2 ms, half-sine |
| | **Vibration** | |
| | Operating | 0.25 G, 5 to 500 Hz, 0.5 octave/min sweep rate |
| | Non-operating | 1 G, 5 to 500 Hz, 0.5 octave/min sweep rate |
| | **Monitor Support** | Up to 55 lbs/24.95 kg |

# *Technical Specifications*

**24X Max[2] CD-ROM Drive**

| | |
|---|---|
| **Applicable Disc** | CD-DA, CD-ROM, CD-ROM XA (except ADPCM), CD-1, Photo CD (Multi-session), Video CD, CD-Extra (CD+), CD-G |
| **Center Hole Diameter** | 15 mm |
| **Disc Diameter** | 12 cm, 8 cm |
| **Disc Thickness** | 1.2 mm |
| **Track Pitch** | 1.6 µm |
| **Laser** | |
| Output power | 0.24 ± 0.1 mW |
| Type | GaAiAS double hetero laser diode |
| Wave length | 770 to 795 nm at Ph-2.7 mW |
| **Access Times** (typical reads, including settling) | 150 ms |
| **Audio Output Level** | |
| Line-out | 0.8 to 1.2 Vrms |
| Headphone | None |
| **Cache Buffer** | 128 KB |
| **Data Transfer Rate** | |
| Sustained | 150 KB/s (sustained 1X) |
| Variable | 1500 to 3500 KB/s (10X to 24X) |
| **Start-up Time** | < 8 sec |

[1] For Hard Drives, GB = Billion Bytes.
[2] Data transfer rates will vary from 150 KB/s to 3600 KB/s.
[3] Designed only to allow faster downloads from 56K V.90 compliant sources. Maximum achievable download transmission rates currently do not reach 56 KB/s, and will vary with line conditions. Modem only supports Windows 9.x and Windows NT 4.0.
[4] Certain restrictions and exclusions apply. Service and support programs vary by geographic regions. Consult the Compaq Customer Support Center for details. In Canada consult the Product Information Center at 1-800-567-1616 for details.
[5] Pick-up and delivery service is available in 48 contiguous US states and Canada. Eligibility for priority pick-up (second business day return) is limited to certain geographic locations. Carry-in service available outside the US and Canada.
[6] Full support in Windows 9.x.
[7] When tested in the standard configuration using the Ziff-Davis BatteryMark test version 1.0, the battery life of the Armada 1500 family will range from 2 hours and 0 minutes to 3 hours and 0 minutes depending on individual usage. (Standard Configuration C300, 12.1 CTFT, 32 MB)
[8] AssetControl monitor. AssetControl features are accessible with Compaq desktops featuring Intelligent Manageability.
[9] May not be compatible with the ArmadaStation Monitor Support Stand, the Convenience Base I, or the Convenience Base II due to weight limitations.